

Product datasheet for **RN208299**

Sos2 (NM_001135561) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sos2 (NM_001135561) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sos2
Synonyms:	Sos1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN208299 representing NM_001135561 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCAGCAGGCGCCGAGCCCTACGAGTCTTCAGCGAAGAGAACAGCCCGAAATGGCGGGGACTGTTGG
TCCCGGCCCTGCGGAAGTTTCAGGAGCAAGTGCACCCACCTGTCCGGTAACGAAGAGTCTCTCTATTA
CATCGAAGAACTCATCTTCAACTGCTCAATAAGCTGTGCTCAACCGAGGACTGTTCAAGATGTT
GAGGAACGAGTTCAAAGACTTTTCTCATCTATTGATAAATGGCAATTGCTGATGCACAGTCTGCCA
TAGAGAAAACGAAAACGAAGAAATCCTCTTACTACCTGTGGACAAAATCCATCCTTCTTGAAGGAAGT
TTTGGGTATAAAGTGGACTACCATGTATCCCTCTACATTGTGGCTGTATTGGAGTATATCTCAGCAGAT
ATTTTGAATTTGGCTGGTAATTAATGTTTTAATATCCGGCATTATGAAATATCTCAGCAAGACATTAAG
TGTCAATGTGTGCAGATAAGTTTTGATGGACATGTTTGACCAGGATGACGATATAGGCTTGGTTTCTCT
CTGTGAAGAGGAACCTTGTCTCTGGTGAGCTAACTATTATGACCTTGTGAACTGAAATCGCAGAA
GAAAGACAGTATCTACGGGAAGTGAATATGATCATTAAAGTATCCGGGAAGCCTTCTTTCAGACAAAA
AGTTGTTCAAGTCTTCTGAAATGAAAAGATTTTCAGTAACATTTTCAGATATACATGACTGACTGTGAA
ACTTTTAGGTTTGATTGAAGACACAGTAGAAATGACAGATGAAAGCAGTCCTCACCCGCTAGCTGGTAGC
TGCTTTGAAGATTTAGCAGAGGAGCAGGCTTTTGACCCCTATGAAACGTTATCACAGGACATTCTTGCTC
CAGAGTTTAATGACCACTTCAGCAAGTTGATGGCCAGACCTGCAGTTGCTCTGCACTTTCAGTCCATTGC
TGACGGCTTTAAGGAGGCTGTTTCGATATGTCCTTCCGCGCCTCATGCTGGTGCCGGTGTATCATTGTTGG
CATTACTTTGAATTATTAAGCAGTTGAAAGCATGTAGCGAAGAACAGGAAGACCGAGAGTGTGTAATC
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CCGCCAGGGGATCCTGTTTGCCTTTTTACAATCGTCAATTAAGAAGCAAGCACCTGGCTATCAAAAA
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GATCAGCTGTAACCCAATCATTGCCAGACTCGACTTCCAGGGTATAGTAGTGCAGAATACAGGTTAAAA
GAGAAGTTTGTCATGAGGAAAATTCAAATCTGTGATAAAGAAGACGCTTGTGAATACAAACATGCTTTTG



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AATTAGTATCCAAAGATGAAAACAGTGTAAATTTGCTGCCAAGTCAGCTGAAGAGAAAAACAACCTGGAT
 GGCAGCCCTTATCTCCCTTCACTATCGGAGCACTCTAGATAGAATGCTGGACTCTGTGTTACTGAAAGAG
 GAGAACGAGCAGCCCTGCGGCTACCGCGGCCAGACGTGTACCGCTTCGTGGTGACAGACTCAGAGGAGA
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 CAAGGAATATGTCCAACCCGTGCAACTTAGGGTCTTGAATGTCTTTCGCCACTGGGTTGAGCATATTTT
 TATGACTTTGAAAGAGACTTGGAAATGCTTGAAGACTGGAAGCCTTCATTTCAAGTGTAAGAGGGAAG
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 AAGCCATAATATCACCTTTGAAAGTCCGCCTCCACCGTTGAATGGCACATAAGTAGGGCGGACAGTCT
 GAAACCTTTGACCTTATGACACTTATCCCATAGAGATTGCACGGCAGTTAACACTCTTGGAACTGATC
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 TCCAAATCTATTAATAATGATTCGCCATACAACAACCTCACTTTGTGGTTTAAAAATGCATTGTGGAA
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 TTTAAAAAATACCTAGTAAAACCTAAATCAATCAATCCACCTTGTGTGCCTTTTTTGGAAATATATTTAA
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 CAGTAAGAGGAGAAAAGTGGCTGAAATAACCGGAGAGATTCAGCAGTATCAGAACCAACCATACTGCTTA
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 GGCAAGTCCGAGGTACCCAACCCCTCTGAAAAGGGAGCCTTATAAGATAAGCTTTAGCAGGATCGCCG
 AGACGGAGCTAGAATCCACGGTGTGACGACCGACATCTCCAACACCCCATCCACCCACCTGTGTCTGC
 TTCTTCAGACCACAGCGTGTCTAGATGTGGACCTCAATAGCTCCTGTGGCAGCAATACCATCTTTGCT
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 CACTAGTTCCTCCTCCGCTTCCCTCGGAAAAGTTTGATCACGATGCTCCGAACCTCAAGGGAGCTAT
 GAAATCGGATGATGACCCTCTGCTATTCACCAAGACAACCCCTCTCCAAAGGTAAGCCAAGAGCT
 CCTGTCTCACGGGTACATTTGAAGGGCTGTGCCAGTCCACCTCCACCTCTCCAGAGACCCTCTTC
 CTGATACTCTCCACCAGTTCCTCTCGGCTCCGGAACACTTTATAAACTGTCCGTTTAACTCCAGCC
 GCCTCCGCTGGGACATCCTCACAGAGACCAGACTGGCTCAGAGACGTTAGCACATGCCCTAATTCACCA
 AGCACTCTCCCTACGCCCTCGCCACGGATTCCACGCAGATGCCATTTGCCAGCCCCAGTCACAACA
 ATCTTGCTCACCTCCAGCTCTCCCGTTCCACCAAGGCAGAATCAAGCCCTCACCTACCAAACTGCC
 ACCAAAGACTTACAAGCGGGAGCTTTCACACCCGCCATTGTACAGACTACCTTTGTTTAAAAATGCAGAA
 ACTCCTCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001135561

Insert Size:

4002 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001135561.1](#), [NP_001129033.1](#)

RefSeq Size: 5365 bp

RefSeq ORF: 4002 bp

Locus ID: 85384

Cytogenetics: 6q24

Gene Summary: mRNA expression increases after chronic clozapine treatment in the prefrontal cortex; may play a role in synaptic function [RGD, Feb 2006]